

RECEIVED

AUG 09 2002

TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING

DATE: 08/02/2002

PATENT APPLICATION: US/09/424,815E

TIME: 08:52:02

Input Set : A:\991768.txt

Output Set: N:\CRF3\08022002\I424815E.raw

ENTERED

4 <110> APPLICANT: Nibberling, Petrus Hendricus
 5 Hiemstra, Pieter Sicco
 6 Van den Barrselaar, Maria Theodora
 7 Pauwels, Ernest Karl Jacob
 8 Feitsma, Rolf Ide Johannes
 10 <120> TITLE OF INVENTION: Antimicrobial Peptides Derived From Ubiquicidine
 12 <130> FILE REFERENCE: Nibberling et al.
 14 <140> CURRENT APPLICATION NUMBER: 09/424,815E
 15 <141> CURRENT FILING DATE: 2000-04-10
 17 <150> PRIOR APPLICATION NUMBER: PCT/NL98/00311
 18 <151> PRIOR FILING DATE: 1998-05-29
 20 <150> PRIOR APPLICATION NUMBER: NL 1006164
 21 <151> PRIOR FILING DATE: 1997-05-29
 23 <160> NUMBER OF SEQ ID NOS: 11
 25 <170> SOFTWARE: Microsoft Word 97 SR-2
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 59
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Unknown Organism
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian
 35 <400> SEQUENCE: 1
 36 Lys Val His Gly Ser Leu Ala Arg Ala Gly Lys Val Arg Gly Gln Thr
 37 1 5 10 15
 39 Pro Lys Val Ala Lys Gln Glu Lys Lys Lys Lys Lys Thr Gly Arg Ala
 40 20 25 30
 42 Lys Arg Arg Met Gln Tyr Asn Arg Arg Phe Val Asn Val Val Pro Thr
 43 35 40 45
 45 Phe Gly Lys Lys Lys Gly Pro Asn Ala Asn Ser
 46 50 55
 49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 18
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Artificial Sequence
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 1-18
 57 <400> SEQUENCE: 2
 58 Lys Val His Gly Ser Leu Ala Arg Ala Gly Lys Val Arg Gly Gln Thr
 59 1 5 10 15
 61 Pro Lys
 62 18
 65 <210> SEQ ID NO: 3
 66 <211> LENGTH: 13

RAW SEQUENCE LISTING

DATE: 08/02/2002

PATENT APPLICATION: US/09/424,815E

TIME: 08:52:02

Input Set : A:\991768.txt

Output Set: N:\CRF3\08022002\I424815E.raw

```

67 <212> TYPE: PRT
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 29-41
73 <400> SEQUENCE: 3
74 Thr Gly Arg Ala Lys Arg Arg Met Gln Tyr Asn Arg Arg
75   1               5               10
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 12
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 18-29
86 <400> SEQUENCE: 4
87 Lys Val Ala Lys Gln Glu Lys Lys Lys Lys Lys Thr
88   1               5               10
91 <210> SEQ ID NO: 5
92 <211> LENGTH: 18
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 18-35
99 <400> SEQUENCE: 5
100 Lys Val Ala Lys Gln Glu Lys Lys Lys Lys Lys Thr Gly Arg Ala Lys
101   1               5               10               15
103 Arg Arg
104   18
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 20
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 18-35
114   with D-alanine on both ends
116 <400> SEQUENCE: 6
117 Ala Lys Val Ala Lys Gln Glu Lys Lys Lys Lys Lys Thr Gly Arg Ala
118   1               5               10               15
120 Lys Arg Arg Ala
121   20
124 <210> SEQ ID NO: 7
125 <211> LENGTH: 7
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 29-35
132 <400> SEQUENCE: 7
133 Thr Gly Arg Ala Lys Arg Arg
134   1               5
137 <210> SEQ ID NO: 8

```

RAW SEQUENCE LISTING

DATE: 08/02/2002

PATENT APPLICATION: US/09/424,815E

TIME: 08:52:02

Input Set : A:\991768.txt

Output Set: N:\CRF3\08022002\I424815E.raw

```

138 <211> LENGTH: 18
139 <212> TYPE: PRT
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 42-59
145 <400> SEQUENCE: 8
146 Phe Val Asn Val Val Pro Thr Phe Gly Lys Lys Lys Gly Pro Asn Ala
147   1               5               10               15
149 Asn Ser
150   18
154 <210> SEQ ID NO: 9
155 <211> LENGTH: 6
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 36-41
162 <400> SEQUENCE: 9
163 Met Gln Tyr Asn Arg Arg
164   1               5
167 <210> SEQ ID NO: 10
168 <211> LENGTH: 22
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 1-22
175 <400> SEQUENCE: 10
176 Lys Val His Gly Ser Leu Ala Arg Ala Gly Lys Val Arg Gly Gln Thr
177   1               5               10               15
178 Pro Lys Val Ala Lys Gln
179   20
181 <210> SEQ ID NO: 11
182 <211> LENGTH: 21
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 9-29
189 <400> SEQUENCE: 11
190 Ala Gly Lys Val Arg Gly Gln Thr Pro Lys Val Ala Lys Gln Glu Lys
191   1               5               10               15
192 Lys Lys Lys Lys Thr
193   20

```

VERIFICATION SUMMARY

DATE: 08/02/2002

PATENT APPLICATION: US/09/424,815E

TIME: 08:52:03

Input Set : A:\991768.txt

Output Set: N:\CRF3\08022002\I424815E.raw